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(11) EP 1 096 030 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
21.11.2001 Bulletin 2001/47

(51) Int Cl.7: C22C 38/12, C22C 1/02,  
B21B 1/22

(43) Date of publication A2:  
02.05.2001 Bulletin 2001/18

(21) Application number: 00125748.4

(22) Date of filing: 03.11.1995

(84) Designated Contracting States:  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

(30) Priority: 07.11.1994 US 335004

(62) Document number(s) of the earlier application(s) in  
accordance with Art. 76 EPC:  
95939832.2 / 0 791 081

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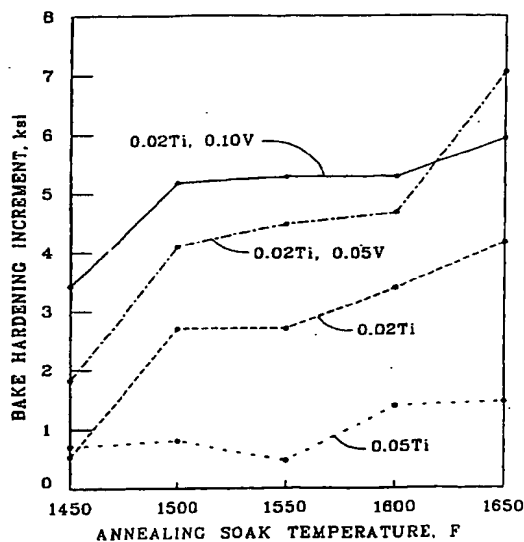
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(54) Bake hardenable vanadium containing steel

(57) The present invention refers to a rolled steel article consisting essentially of by weight percent:  
0.0005 to less than 0.1 % carbon;  
between zero and up to 2.5 % manganese;  
between zero and up to 0.5 % aluminium;  
between zero and up to 0.5 % of a nitride forming element selected from the group consisting of boron, zirconium and titanium;  
between zero and less than 0.04 % nitrogen;  
between 0.005 and less than 0.6 % vanadium;  
between zero and up to 1.0 % silicon and  
between zero and up to 0.25 % phosphorus;  
with the balance being iron and inevitable impurities,  
characterized in that the ratio of vanadium to carbon is 10 or above. Moreover the application is directed to a method for producing the same.



EP 1 096 030 A3



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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 12 5748

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 589 (C-1124), 27 October 1993 (1993-10-27) -& JP 05 171351 A (NKK CORP), 9 July 1993 (1993-07-09)	1-7, 13-18, 23-26	C22C38/12 C22C1/02 B21B1/22
Y	* Page 7, table, in particular sample 4 * * abstract *	8-12, 19-22, 27-30	
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The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>5 September 2001</b>	Examiner <b>Bjoerk, P</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  S : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03-82 (F04C01)



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# EUROPEAN SEARCH REPORT

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EP 00 12 5748

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L	<p>WO 97 32051 A (BETHLEHEM STEEL CORP ; TAYLOR KEITH A (US); SPEER JOHN G (US)) 4 September 1997 (1997-09-04) * Claims *</p> <p>-----</p>	1-30	
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons S : member of the same patent family, corresponding document</p>			

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